

Title (en)

Photoconductive target of the image pickup tube.

Title (de)

Photoleitende Signalplatte für Bildaufnahmeröhre.

Title (fr)

Cible photoconductrice pour tube de prise de vues.

Publication

EP 0162310 A1 19851127 (EN)

Application

EP 85104873 A 19850422

Priority

JP 8198484 A 19840425

Abstract (en)

[origin: JPS60227341A] PURPOSE:To obtain a photo conductive target having excellent after-image characteristic by setting the thickness of a photo conductive layer consisting of CdTe(1-x)Se(x) and a high resistance layer deposited thereon to the particular range. CONSTITUTION:A NESA, namely a light transmissive conductive layer 12 is deposited on a light transmissive substrate 11 directly or through other light transmissive film such as a color filter film and a photo conductive layer 13 is deposited thereon in the thickness exceeding 1,000Angstrom but under 10,000Angstrom . A As-Se system amorphous semiconductor high resistance layer 14 is deposited thereon and a Sb₂S₃ layer 15 is further deposited thereon in the thickness of about 1,000 Angstrom . Thickness of high resistance layer 14 is set within the range of 2μm-10μm. The photo conductive layer 14 has the structure indicated by CdTe_{1-x}Se_x, wherein a value of x, regarding the mol ratio of Te and Se, is set, for example, to 0.3 or larger and 0.9 or less.

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H01J 29/45; H01L 31/18

IPC 8 full level

H01J 29/45 (2006.01)

CPC (source: EP US)

H01J 29/45 (2013.01 - EP US); **H01J 29/456** (2013.01 - EP US)

Citation (search report)

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- US 4119994 A 19781010 - JAIN FAQUIR CHAND, et al
- DE 2808802 A1 19780914 - HITACHI LTD, et al
- EP 0036779 A2 19810930 - HITACHI LTD [JP]

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DE FR GB

DOCDB simple family (publication)

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